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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Peter Kammer

Serial No. : 10/518,944

Filing Date : Concurrently Herewith

Int'l Appln. No. : PCT/CH03/00349

Int'l Filing Date : 03 June 2003

Priority Date Claimed : 12 June 2002

For : CLOSURE, WHICH REACTS TO
HEAT, FOR SPRINKLERS AND
NOZZLES

Attorney Docket No. : IBM-7434

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This information disclosure statement is being filed to fulfill the duty of candor and good faith toward the Patent and Trademark Office in accordance with 37 CFR §1.56.

A copy of the PTO Form 1449 and Foreign Patent Documents have been attached.

U.S. PATENT DOCUMENTS

U.S. Patent No. 3,716,103

U.S. Patent No. 3,834,463

U.S. Patent No. 4,706,759

U.S. Patent No. 5,299,645

U.S. Patent No. 5,505,383

FOREIGN PATENT DOCUMENTS

Patent No.

Relevance

EP 0 505 672 A2

In English.

DT 27 03 459 A1

Discloses a sprinkler nozzle for vertical, hanging and horizontal installation with a nozzle body and a baffle plate, which is connected to the nozzle body by means of at least two supporting elements which act on the edge of the baffle plate, as well as an arrangement which blocks the nozzle opening of the sprinkler nozzle in the readiness mode and which comprises a closure element (which is seated in a sealing manner on the nozzle opening) and an initiating element which exerts a closing force on the closure element, which initiation results in the closing force on the closure element being cancelled out, such that it opens the nozzle opening immediately and completely for the extinguishing water jet to emerge. The closing element is provided with an ejection apparatus which, once the closing force has been removed, moves away together with the forward propulsion force of the extinguishing water jet, with the ejection apparatus being detachably supported on parts of the sprinkler nozzle that are firmly connected to one another, when said sprinkler nozzle is in the readiness position.

Patent No.

DE 29 24 654 A1


Relevance

Discloses a sprinkler for automatic fire extinguishing systems, comprising a housing which surrounds the flow channel for the fire extinguishant, a frame which is formed from two arms integrally formed on the housing and which is fitted with a distribution cap, a covering cap which closes the flow channel, and an assembly which is arranged between the two caps and has a lever, a supporting strut with two lugs that are perforated at the side and a temperature monitor which is inserted between the lugs. A projecting clamping bracket is provided on the supporting strut, whose longitudinally curved main section runs approximately parallel to the strut and strikes against the frame and the distribution cap when the sprinkler is initiated.

GB 314,724

In English.

Respectfully submitted,


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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(REV. 6-89) PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: IBM-74

SERIAL NO. 10/518,944

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT(S): Peter Kammer

FILING DATE: Concurrently Herewith

GROUP: TBD

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
A	US-3,716,103	Feb. 13, 1973	Tanaka et al.			
B	US-3,834,463	Sept. 10, 1974	Allard et al.			
C	US-4,706,759	Nov. 17, 1987	Grasseschi			
D	US-5,299,645	Apr. 5, 1994	Hoening et al.			
E	US-5,505,383	Apr. 9, 1996	Fischer			
F						
G						
H						
I						
J						
K						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
L	EP-0 505 672 A2	30 Sept. 1992	Europe				
M	DT-27 03 459	04 Aug. 1977	Germany				
N	DE-29 24 654	19 Feb. 1981	Germany				
O	GB 314,724	04 Jul. 1929	Great Britain				
P							
Q							
R							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

S	
T	
U	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609;
Draw line through citation if not in conformance and not considered. Include copy of this form with next
communication to the patent applicants' attorney.